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| **LAB REPORT GRADING RUBRIC – 100 POINTS** | | |
| **Style and Logistics (15 points)** | **Points** | **Points Earned** |
| Typed in 12-point font, double-spaced, with 1-1½ inch margins. Proper MLA header is used. | 5 |  |
| Each of the 8 sections below is numbered and labeled in bold | 5 |  |
| Grammatically correct and without spelling errors | 5 |  |
| **Experimental Product (10 points)** |  |  |
| A cup of dry salt with student name(s) clearly labeled is turned in with the lab report | 10 | 10 |
| **Scientific Content (75 points)** |  |  |
| **1. Purpose**  *A simple statement of the purpose for the lab. You should give a broad overview so that someone who is unfamiliar with the subject matter will be able to understand why you did this experiment.* | 2.5 |  |
| **2. Hypothesis**  *Make an ‘if….then” statement. What is the effect of the independent variable on the dependent variable?*  Identify the IV and DV. | 5 |  |
| **3. Materials**  *This can be a list. Name all the equipment you used to conduct the experiment.* | 2.5 |  |
| **4. Procedure / Method**  *This has to be detailed so that you know exactly the steps you are following and someone who was not there could follow them as “directions”.* This should be a numbered list of steps, but each step needs to be a complete sentence. | 5 |  |
| **5. Results** – Final draft on the Data Sheet provided  *Attach your hand-written notes to the final copy* | 15 |  |
| **6. Interpretation / Discussion**  *Create a bar graph on the Data sheet – you will need two different y-axes- one for average height and the other for average mass. Make sure all axes are labeled and you title your graph.* | 15 |  |
| **7. Conclusion**  *Revisit the purpose of the lab. Summarize your “final answer” about what you predicted would happen versus what actually happened. Use your analysis to support your conclusion – this will be repetitive.* | 15 |  |
| **8. Extension**  *-Explain at least 3 possible sources of errors and/or improvements you could make .Rank these from biggest deal to least big deal.*  *-Describe at least 2 new ideas you are curious about now that could lead to future studies. Be creative!* | 15 |  |

**Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Final Grade: \_\_\_\_\_\_\_\_/ 100 points**

**Reflection:**

1. Describe the grade you believe you deserve for participation. Why?
2. Describe the grade you believe each teamwork deserves for participation. Why?

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**To complete after the in-class discussion on Wednesday:**

1. Summarize the class’s consensus about the correlation between soil size and radish growth:
2. What does “weight of evidence” mean in science?
3. Are you convinced that the class consensus is accurate? Why or why not?